



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 5

Test Date: March 2009
Code: 11491392
SAU: Scarborough School Department
School: Benjamin Wentworth Intermediat

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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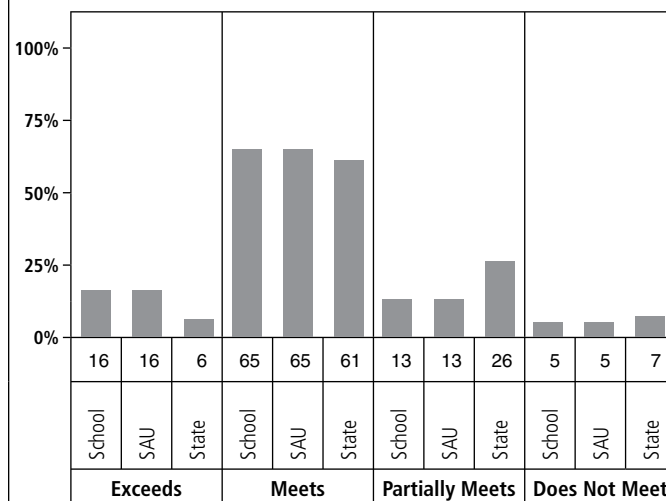
SUMMARY OF SCORES

Test Date: March 2009
Grade: 5
SAU: Scarborough School Department
School: Benjamin Wentworth Intermediat

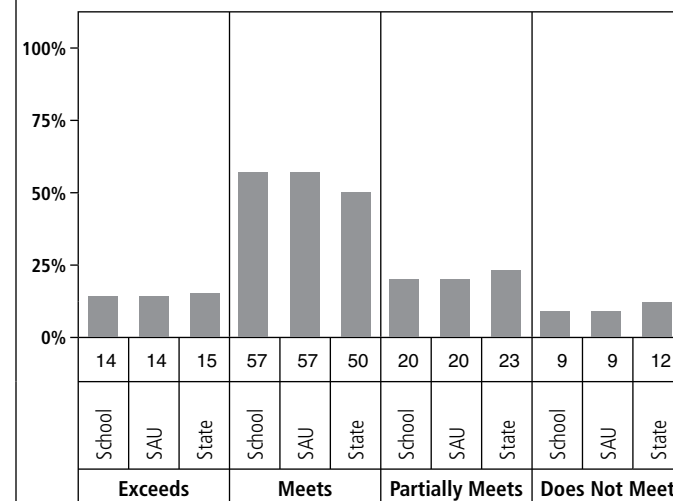
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	547	547	544
2007–2008	550	550	545
2008–2009	551	551	546
Cum. Avg.*	549	549	545
Mathematics			
2006–2007	548	548	546
2007–2008	551	551	546
2008–2009	548	548	547
Cum. Avg.*	549	549	546
Science			
2008–2009 **	547	547	543

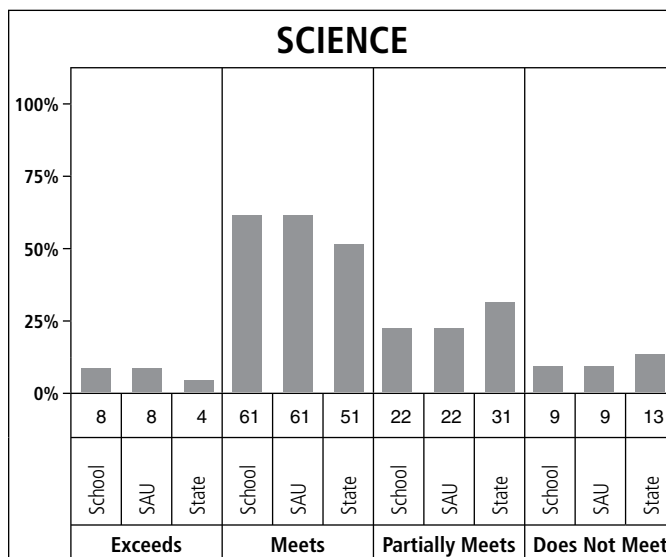
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

**Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 5
SAU: Scarborough School Department
School: Benjamin Wentworth Intermediat

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
	n		n		n		n		n		n		n		n		n		n		n		n	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Total number of students	256	100	256	100	14212	100	254	100	254	100	14135	100	254	100	254	100	14144	100	254	100	254	100	14137	100
Ethnicity African American/Black	4	2	4	2	397	3	4	100	4	100	388	98	4	100	4	100	393	99	4	100	4	100	389	98
American Indian or Native Alaskan	0	0	0	0	110	1	0	0	0	0	110	100	0	0	0	0	110	100	0	0	0	0	110	100
Asian or Pacific Islander	4	2	4	2	259	2	3	75	3	75	253	98	3	75	3	75	258	100	3	75	3	75	257	99
Hispanic	3	1	3	1	175	1	3	100	3	100	172	99	3	100	3	100	172	99	3	100	3	100	173	99
Caucasian/White	245	96	245	96	13271	93	244	100	244	100	13212	100	244	100	244	100	13211	100	244	100	244	100	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	38	15	38	15	2479	17	38	100	38	100	2454	100	38	100	38	100	2455	100	38	100	38	100	2451	99
Current LEP	5	2	5	2	374	3	4	80	4	80	359	96	4	80	4	80	370	99	4	80	4	80	366	98
Economically disadvantaged	34	13	34	13	5848	41	33	97	33	97	5815	100	33	97	33	97	5819	100	33	97	33	97	5812	100
Migrant	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	206	80	206	80	10849	76	205	80	205	80	10872	76	206	80	206	80	10976	77
Identified disability (PET/IEP)	2	1	2	1	298	3	2	1	2	1	307	3	2	1	2	1	338	3
LEP	0	0	0	0	170	2	0	0	0	0	169	2	0	0	0	0	177	2
504 plan	0	0	0	0	123	1	0	0	0	0	121	1	0	0	0	0	126	1
Participation with accommodations	43	17	43	17	3122	22	44	17	44	17	3124	22	43	17	43	17	3019	21
Identified disability (PET/IEP)	31	72	31	72	1992	64	31	70	31	70	2000	64	31	72	31	72	1971	65
LEP	4	9	4	9	184	6	4	9	4	9	196	6	4	9	4	9	184	6
504 plan	1	2	1	2	84	3	1	2	1	2	86	3	1	2	1	2	81	3
Other	8	19	8	19	907	29	9	20	9	20	886	28	8	19	8	19	826	27
Participation through alternate assessment (PAAP)	5	2	5	2	164	1	5	2	5	2	148	1	5	2	5	2	142	1
Identified disability (PET/IEP)	5	100	5	100	164	100	5	100	5	100	148	100	5	100	5	100	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	1	0	1	0	19	0	1	0	1	0	19	0	1	0	1	0	20	0
Non-participation – other	1	0	1	0	58	0	1	0	1	0	49	0	1	0	1	0	55	0

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 5
SAU: Scarborough School Department
School: Benjamin Wentworth Intermediat

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007	18	6	18	6	702	5
	2007-2008	24	10	24	10	659	5
	2008-2009	41	16	41	16	836	6
	Cum. Total*	83	11	83	11	2197	5
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 542–560)	2006-2007	191	67	191	67	7730	55
	2007-2008	182	73	182	73	8195	58
	2008-2009	163	65	163	65	8495	61
	Cum. Total*	536	69	536	68	24420	58
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 532–540)	2006-2007	53	19	54	19	4182	30
	2007-2008	38	15	38	15	3800	27
	2008-2009	32	13	32	13	3667	26
	Cum. Total*	123	16	124	16	11649	28
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 500–530)	2006-2007	22	8	22	8	1419	10
	2007-2008	5	2	5	2	1362	10
	2008-2009	13	5	13	5	973	7
	Cum. Total*	40	5	40	5	3754	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	33.9	70.6	33.9	70.6	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	24	50	16.5	68.8	16.5	68.8	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	24	50	17.3	72.1	17.3	72.1	15.8	65.8

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Scarborough School Department
 School: Benjamin Wentworth Intermediat

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	249	41	16	163	65	32	13	13	5	551	249	16	65	13	5	551	13971	6	61	26	7	546
Ethnicity																						
African American/Black	4										4						381	2	44	31	23	540
American Indian or Native Alaskan	0										0						110	0	48	38	14	541
Asian or Pacific Islander	3										3						252	11	58	21	11	547
Hispanic	2										2						166	4	54	32	10	543
Caucasian/White	240	40	17	159	66	30	13	11	5	551	240	17	66	13	5	551	13062	6	62	26	6	546
Not Reported	0										0						0					
Identified disability																						
Yes	33	0	0	13	39	10	30	10	30	538	33	0	39	30	30	538	2290	0	29	47	23	537
No	216	41	19	150	69	22	10	3	1	553	216	19	69	10	1	553	11681	7	67	22	4	548
Current LEP																						
Yes	4										4						354	1	35	34	30	538
No	245	41	17	161	66	31	13	12	5	551	245	17	66	13	5	551	13617	6	61	26	6	546
Economically disadvantaged																						
Yes	31	2	6	17	55	10	32	2	6	545	31	6	55	32	6	545	5716	2	51	35	12	542
No	218	39	18	146	67	22	10	11	5	551	218	18	67	10	5	551	8255	9	67	20	4	548
Migrant																						
Yes	0										0						8	0	38	25	38	538
No	249	41	16	163	65	32	13	13	5	551	249	16	65	13	5	551	13963	6	61	26	7	546
Gender																						
Female	129	30	23	85	66	9	7	5	4	553	129	23	66	7	4	553	6882	8	62	24	6	547
Male	120	11	9	78	65	23	19	8	7	548	120	9	65	19	7	548	7089	4	60	28	8	545
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	19	0	0	13	68	4	21	2	11	543	19	0	68	21	11	543	1914	1	41	44	14	540
No	230	41	18	150	65	28	12	11	5	551	230	18	65	12	5	551	12057	7	64	23	6	547
Gifted/talented program																						
Yes	8	5	63	3	38	0	0	0	0	567	8	63	38	0	0	567	450	26	72	2	0	557
No	241	36	15	160	66	32	13	13	5	550	241	15	66	13	5	550	13521	5	60	27	7	545

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 5

SAU: Scarborough School Department

School: Benjamin Wentworth Intermediat

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	2 57 39 2	0 18 23 0	0 13 24 0	0 104 57 2	0 73 59 40	2 16 12 2	50 11 12 40	2 5 5 1	50 3 5 20	533 551 552 541	2 57 39 2	0 13 24 0	0 73 59 40	50 11 12 40	50 3 5 20	533 551 552 541	4 70 24 2	2 6 7 4	40 63 61 42	34 26 26 33	24 6 6 21	540 546 546 541
Which of the following best describes how you rate yourself as a student in reading? A. very good B. good C. fair D. poor	42 44 13 0	29 11 1 0	28 10 3 0	69 72 22 0	66 65 67 0	5 22 4 1	5 20 12 100	2 5 6 0	2 5 18 0	555 549 543 540	42 44 13 0	28 10 3 0	66 65 67 0	5 20 12 100	2 5 18 0	555 549 543 540	36 47 15 2	10 5 2 0	67 62 47 30	18 27 40 46	5 6 12 24	549 546 541 537
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading? A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	28 60 10 3	24 14 2 0	35 10 8 0	43 106 14 0	63 72 56 0	1 19 7 4	1 13 28 57	0 8 2 3	0 5 8 43	557 549 546 532	28 60 10 3	35 10 8 0	63 72 56 0	1 13 28 57	0 5 8 43	557 549 546 532	31 55 10 3	9 5 3 1	65 63 45 31	20 27 38 41	5 5 14 27	548 546 542 537
How difficult was the reading part of this test? A. more difficult than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	13 69 19	3 33 5	10 19 11	16 115 31	52 68 66	7 17 8	23 10 17	5 5 3	16 3 6	545 553 548	13 69 19	10 19 11	52 68 66	23 10 17	16 3 6	545 553 548	16 64 20	3 7 5	49 63 62	32 25 26	15 5 7	542 547 546
How difficult were the reading passages on this test? A. Most of the passages were more difficult than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read.	8 50 42	0 19 21	0 15 20	8 78 75	42 63 73	6 21 5	32 17 5	5 5 2	26 4 2	539 549 555	8 50 42	0 15 20	42 63 73	32 17 5	26 4 2	539 549 555	10 52 38	1 4 10	33 61 68	42 29 18	24 6 4	538 545 549
How much time do you spend reading at home each day? A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	21 65 8 6	10 28 2 1	19 17 11 7	38 110 12 3	72 67 63 21	3 20 3 6	6 12 16 43	2 5 2 4	4 3 11 29	554 551 547 539	21 65 8 6	19 17 11 7	72 67 63 21	6 12 16 43	4 3 11 29	554 551 547 539	20 56 10 14	10 7 3 1	64 65 52 46	21 24 33 38	5 5 12 14	548 547 543 541
How many pages do you read in school and to complete homework assignments? A. five or fewer pages B. six to ten pages C. eleven or more pages	18 28 54	4 13 23	9 19 17	25 45 92	58 66 70	9 8 13	21 12 10	5 2 4	12 3 3	546 551 552	18 28 54	9 19 17	58 66 70	21 12 10	12 3 3	546 551 552	25 26 49	3 6 8	53 61 65	33 26 23	11 7 5	543 546 547
Optional school/SAU question A. B. C. D.	40 40 20 0	1 0 0 0	50 0 0 0	0 1 0 0	0 50 0 0	1 1 0 0	50 50 0 0	0 0 1 100	0 0 100 100	551 541 522 522	40 40 20 0	50 0 0 0	0 50 0 0	50 50 0 100	0 0 100 100	551 541 522 522						

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 5
SAU: Scarborough School Department
School: Benjamin Wentworth Intermediat

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007	29	10	29	10	1711	12
	2007-2008	32	13	32	13	1617	12
	2008-2009	35	14	35	14	2119	15
	Cum. Total*	96	12	96	12	5447	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 542–560)	2006-2007	167	59	168	59	6778	48
	2007-2008	173	69	173	69	7284	52
	2008-2009	141	57	141	57	7046	50
	Cum. Total*	481	61	482	61	21108	50
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 530–540)	2006-2007	63	22	63	22	3884	28
	2007-2008	34	14	34	14	3341	24
	2008-2009	50	20	50	20	3193	23
	Cum. Total*	147	19	147	19	10418	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 500–528)	2006-2007	26	9	26	9	1683	12
	2007-2008	10	4	10	4	1778	13
	2008-2009	23	9	23	9	1638	12
	Cum. Total*	59	8	59	8	5099	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	26.2	54.6	26.2	54.6	25.5	53.1
A. Number	18	38	10.3	57.2	10.3	57.2	9.8	54.4
B. Data	10	21	5.5	55.0	5.5	55.0	5.2	52.0
C. Geometry	10	21	4.7	47.0	4.7	47.0	4.7	47.0
D. Algebra	10	21	5.7	57.0	5.7	57.0	5.7	57.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Scarborough School Department
 School: Benjamin Wentworth Intermediat

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	249	35	14	141	57	50	20	23	9	548	249	14	57	20	9	548	13996	15	50	23	12	547
Ethnicity																						
African American/Black	4										4						385	6	35	28	30	537
American Indian or Native Alaskan	0										0						110	5	42	34	20	540
Asian or Pacific Islander	3										3						257	19	50	20	12	548
Hispanic	2										2						166	9	43	31	17	543
Caucasian/White	240	33	14	139	58	48	20	20	8	548	240	14	58	20	8	548	13078	15	51	23	11	547
Not Reported	0										0						0					
Identified disability																						
Yes	33	0	0	8	24	14	42	11	33	532	33	0	24	42	33	532	2307	3	32	32	33	536
No	216	35	16	133	62	36	17	12	6	550	216	16	62	17	6	550	11689	17	54	21	8	549
Current LEP																						
Yes	4										4						365	5	33	30	32	536
No	245	34	14	141	58	48	20	22	9	548	245	14	58	20	9	548	13631	15	51	23	11	547
Economically disadvantaged																						
Yes	31	3	10	12	39	9	29	7	23	541	31	10	39	29	23	541	5731	7	46	29	18	542
No	218	32	15	129	59	41	19	16	7	549	218	15	59	19	7	549	8265	21	53	19	7	550
Migrant																						
Yes	0										0						8	0	38	50	13	540
No	249	35	14	141	57	50	20	23	9	548	249	14	57	20	9	548	13988	15	50	23	12	547
Gender																						
Female	129	19	15	74	57	26	20	10	8	549	129	15	57	20	8	549	6889	14	51	23	12	546
Male	120	16	13	67	56	24	20	13	11	547	120	13	56	20	11	547	7107	16	50	23	11	547
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	19	0	0	6	32	8	42	5	26	538	19	0	32	42	26	538	1918	3	39	36	22	539
No	230	35	15	135	59	42	18	18	8	549	230	15	59	18	8	549	12078	17	52	21	10	548
Gifted/talented program																						
Yes	8	7	88	1	13	0	0	0	0	570	8	88	13	0	0	570	450	64	34	2	0	564
No	241	28	12	140	58	50	21	23	10	547	241	12	58	21	10	547	13546	14	51	23	12	546

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
 Grade: 5
 SAU: Scarborough School Department
 School: Benjamin Wentworth Intermediat

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	0	0	2	50	2	50	529	2	0	0	50	50	529	4	8	38	26	28	539
B. less than one hour	57	20	14	90	63	24	17	9	6	549	57	14	63	17	6	549	70	15	52	23	10	547
C. one to two hours	39	15	15	48	49	24	25	10	10	547	39	15	49	25	10	547	24	15	51	23	11	547
D. more than two hours	2	0	0	3	60	0	0	2	40	537	2	0	60	0	40	537	2	9	37	24	30	539
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	28	23	33	39	56	4	6	4	6	555	28	33	56	6	6	555	34	28	50	14	8	552
B. good	47	11	9	74	64	25	22	6	5	548	47	9	64	22	5	548	45	11	54	24	10	546
C. fair	21	1	2	23	44	15	29	13	25	539	21	2	44	29	25	539	18	3	45	33	19	540
D. poor	3	0	0	2	25	6	75	0	0	539	3	0	25	75	0	539	3	1	29	41	29	535
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	25	18	29	32	52	10	16	2	3	554	25	29	52	16	3	554	38	22	52	19	7	550
B. They match some of what I have learned.	62	17	11	93	60	30	19	14	9	547	62	11	60	19	9	547	48	12	53	24	11	546
C. They match just a little of what I have learned.	11	0	0	16	59	5	19	6	22	540	11	0	59	19	22	540	11	6	40	30	24	540
D. There is no match.	2	0	0	0	0	5	83	1	17	532	2	0	0	83	17	532	3	6	26	29	38	534
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	21	3	6	22	42	19	37	8	15	541	21	6	42	37	15	541	17	7	42	30	21	540
B. about the same as my regular schoolwork	65	26	16	100	62	27	17	9	6	550	65	16	62	17	6	550	64	15	53	23	10	547
C. easier than my regular schoolwork	14	6	18	19	56	4	12	5	15	549	14	18	56	12	15	549	19	24	49	17	10	550
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	4	0	0	4	44	3	33	2	22	535	4	0	44	33	22	535	7	6	39	27	27	539
B. 30–45 minutes	23	4	7	29	51	13	23	11	19	544	23	7	51	23	19	544	28	9	49	28	15	544
C. 45–60 minutes	67	25	15	102	61	33	20	6	4	550	67	15	61	20	4	550	41	17	53	21	9	548
D. more than 60 minutes	6	6	38	5	31	1	6	4	25	549	6	38	31	6	25	549	24	21	51	20	8	549
How often do you use calculators in mathematics class?																						
A. almost every day	1	0	0	1	50	1	50	0	0	541	1	0	50	50	0	541	6	14	43	24	20	543
B. two or three days a week	14	8	24	14	41	8	24	4	12	549	14	24	41	24	12	549	24	17	52	21	10	548
C. two or three times each month	44	15	14	66	61	19	17	9	8	549	44	14	61	17	8	549	33	17	52	21	9	548
D. never or almost never	42	12	12	59	57	22	21	10	10	547	42	12	57	21	10	547	38	12	49	25	14	545
How often do you use hands-on materials in mathematics class?																						
A. almost every day	10	3	12	12	48	7	28	3	12	546	10	12	48	28	12	546	23	13	47	26	15	545
B. two or three days a week	31	12	15	41	53	16	21	9	12	548	31	15	53	21	12	548	31	17	52	21	10	548
C. two or three times each month	41	15	15	61	60	18	18	7	7	549	41	15	60	18	7	549	27	17	52	21	10	548
D. never or almost never	18	5	11	26	59	9	20	4	9	547	18	11	59	20	9	547	20	12	50	24	14	545
Optional school/SAU question																						
A.	40	0	0	1	50	0	0	1	50	538	40	0	50	0	50	538						
B.	40	0	0	0	0	2	100	0	0	538	40	0	0	100	0	538						
C.	20	0	0	0	0	0	0	1	100	522	20	0	0	0	100	522						
D.	0										0											

SCIENCE RESULTS

Test Date: March 2009
Grade: 5
SAU: Scarborough School Department
School: Benjamin Wentworth Intermediat

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	20	8	20	8	626	4
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	151	61	151	61	7187	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	55	22	55	22	4364	31
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	23	9	23	9	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	48	100	31.4	65.4	31.4	65.4	29.2	60.8
D. The Physical Setting	24	50	13.5	56.3	13.5	56.3	12.9	53.8
E. The Living Environment	24	50	17.9	74.6	17.9	74.6	16.3	67.9

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Scarborough School Department
 School: Benjamin Wentworth Intermediat

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	249	20	8	151	61	55	22	23	9	547	249	8	61	22	9	547	13995	4	51	31	13	543
Ethnicity																						
African American/Black	4										4						382	2	31	32	35	535
American Indian or Native Alaskan	0										0						110	3	36	35	26	538
Asian or Pacific Islander	3										3						256	5	51	27	17	542
Hispanic	2										2						167	1	40	37	22	539
Caucasian/White	240	20	8	148	62	52	22	20	8	547	240	8	62	22	8	547	13080	5	52	31	12	544
Not Reported	0										0						0					
Identified disability																						
Yes	33	0	0	9	27	11	33	13	39	533	33	0	27	33	39	533	2309	2	29	39	29	536
No	216	20	9	142	66	44	20	10	5	549	216	9	66	20	5	549	11686	5	56	30	10	545
Current LEP																						
Yes	4										4						361	1	23	32	44	533
No	245	20	8	150	61	53	22	22	9	547	245	8	61	22	9	547	13634	5	52	31	12	544
Economically disadvantaged																						
Yes	31	0	0	14	45	9	29	8	26	540	31	0	45	29	26	540	5729	2	42	37	20	539
No	218	20	9	137	63	46	21	15	7	548	218	9	63	21	7	548	8266	6	58	27	8	546
Migrant																						
Yes	0										0						8	0	25	13	63	530
No	249	20	8	151	61	55	22	23	9	547	249	8	61	22	9	547	13987	4	51	31	13	543
Gender																						
Female	129	10	8	76	59	35	27	8	6	547	129	8	59	27	6	547	6886	4	49	33	14	542
Male	120	10	8	75	63	20	17	15	13	547	120	8	63	17	13	547	7109	5	54	29	12	544
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	19	0	0	9	47	5	26	5	26	537	19	0	47	26	26	537	1917	1	31	41	28	536
No	230	20	9	142	62	50	22	18	8	548	230	9	62	22	8	548	12078	5	55	30	11	544
Gifted/talented program																						
Yes	8	3	38	5	63	0	0	0	0	563	8	38	63	0	0	563	450	25	72	2	1	557
No	241	17	7	146	61	55	23	23	10	546	241	7	61	23	10	546	13545	4	51	32	13	543

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
 Grade: 5
 SAU: Scarborough School Department
 School: Benjamin Wentworth Intermediat

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	1	25	2	50	1	25	531	2	0	25	50	25	531	4	2	37	35	25	538
B. less than one hour	57	7	5	88	62	36	25	12	8	546	57	5	62	25	8	546	70	4	53	31	12	544
C. one to two hours	39	13	13	60	62	16	16	8	8	549	39	13	62	16	8	549	24	5	51	31	12	544
D. more than two hours	2	0	0	2	40	1	20	2	40	535	2	0	40	20	40	535	2	4	39	31	26	539
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	25	8	13	44	72	5	8	4	7	551	25	13	72	8	7	551	26	7	56	26	11	545
B. good	57	12	8	82	58	33	23	15	11	547	57	8	58	23	11	547	53	4	53	31	11	544
C. fair	17	0	0	21	51	16	39	4	10	542	17	0	51	39	10	542	18	2	41	39	17	540
D. poor	2	0	0	3	75	1	25	0	0	546	2	0	75	25	0	546	3	1	33	36	30	536
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	23	9	16	30	54	13	23	4	7	550	23	16	54	23	7	550	23	5	56	28	11	544
B. They match some of what I have learned.	53	7	5	93	70	22	17	10	8	548	53	5	70	17	8	548	48	5	52	31	12	544
C. They match just a little of what I have learned.	22	4	7	25	46	17	31	8	15	543	22	7	46	31	15	543	23	4	49	33	14	543
D. There is no match.	2	0	0	2	33	3	50	1	17	536	2	0	33	50	17	536	6	3	40	34	23	539
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	18	3	7	25	56	12	27	5	11	546	18	7	56	27	11	546	23	5	48	31	16	543
B. about the same as my regular schoolwork	61	7	5	100	67	31	21	11	7	547	61	5	67	21	7	547	58	4	52	32	12	543
C. easier than my regular schoolwork	21	10	19	24	46	11	21	7	13	548	21	19	46	21	13	548	19	6	53	29	11	544
How often do you have science classes?																						
A. every day	5	2	17	7	58	1	8	2	17	548	5	17	58	8	17	548	33	5	51	31	14	543
B. a few times a week	54	9	7	80	60	32	24	13	10	546	54	7	60	24	10	546	45	4	52	32	11	544
C. once a week	33	7	9	52	65	16	20	5	6	548	33	9	65	20	6	548	8	4	50	30	16	542
D. a few times a month	8	2	10	11	55	4	20	3	15	546	8	10	55	20	15	546	15	4	52	30	14	543
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	15	3	8	25	66	8	21	2	5	549	15	8	66	21	5	549	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	21	2	4	23	44	18	35	9	17	540	21	4	44	35	17	540	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	38	7	7	66	70	14	15	7	7	549	38	7	70	15	7	549	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	26	8	13	35	56	15	24	5	8	548	26	13	56	24	8	548	21	6	58	27	10	545
How often do you make observations and collect data in science class?																						
A. a few times a week	40	10	10	61	62	22	22	6	6	549	40	10	62	22	6	549	47	4	51	32	12	543
B. a few times a month	38	6	6	55	59	23	24	10	11	546	38	6	59	24	11	546	27	5	54	30	11	544
C. once a month	13	3	9	19	59	8	25	2	6	546	13	9	59	25	6	546	10	5	49	30	15	543
D. never or almost never	9	1	4	15	65	2	9	5	22	543	9	4	65	9	22	543	15	3	48	32	16	542
How often do you use observations and data to support your idea about science?																						
A. a few times a week	34	8	10	54	65	16	19	5	6	549	34	10	65	19	6	549	46	4	52	32	12	543
B. a few times a month	48	11	9	72	61	26	22	9	8	548	48	9	61	22	8	548	28	5	53	30	12	544
C. once a month	8	1	5	11	55	4	20	4	20	543	8	5	55	20	20	543	11	4	47	34	15	542
D. never or almost never	11	0	0	13	50	9	35	4	15	540	11	0	50	35	15	540	15	4	50	30	16	542
Optional school/SAU question																						
A.	40	0	0	1	50	0	0	1	50	544	40	0	50	0	50	544						
B.	40	0	0	0	0	1	50	1	50	532	40	0	0	50	50	532						
C.	20	0	0	0	0	0	0	1	100	502	20	0	0	0	100	502						
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
 N = Number